

**ABSTRACT OF THE DISCLOSURE**

An integrated circuit, such as a memory device, includes a built-in repair circuit. The repair circuit includes an on-chip source that produces a programming signal of sufficient duration and magnitude to program a programmable element that normally isolates a secondary circuit, such as redundant circuitry, from the remainder of the circuits on the device. Once  
5 programmed, the redundant circuitry may take the place of failed circuitry, and thus repair the device.

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